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(54) Title: CHORIONIC SOMATOMAMMOTROPIN HORMONE SPLICE VARIANTS

QUERY: 1 MAGSTSLIAFALLCLPAGAGVTVPLSLFPMHQARAGLAIDTYQFVSS 60
MAGSTSLIAFALLCLPAGAGVTVPLSLFPMHQARAGLAIDTYQFVSS +

SUBCT: 1 MAGSTSLIAFALLCLPAGAGVTVPLSLFPMHQARAGLAIDTYQFVSS 60

QUERY: 61 W-----GDSIPPSGKSTQKSLALRISLALISNLEPVRFLA 102

+ DSIPPSGKSTQKSLALRISLALISNLEPVRFLA

SUBCT: 61 YIPDQKSYPLHSQSPSPGSDSIPPSGKSTQKSLALRISLALISNLEPVRFLA 120

QUERY: 103 SFVANNVYDVSDDYHLLADLGGIQTMLRLEGGSRVQQLAQYTSKPVNSHSD 162

SFVANNVYDVSDDYHLLADLGGIQTMLRLEGGSRVQQLAQYTSKPVNSHSD

SUBCT: 121 SFVANNVYDVSDDYHLLADLGGIQTMLRLEGGSRVQQLAQYTSKPVNSHSD 180

QUERY: 163 ALLKNTGLATCFPMKXVETFLANQCSVSSGCF 199

ALLKNTGLATCFPMKXVETFLANQCSVSSGCF

SUBCT: 181 ALLKNTGLATCFPMKXVETFLANQCSVSSGCF 217

QUERY: 1 MAGSTSLIAFALLCLPAGAGVTVPLSLFPMHQARAGLAIDTYQFVSS 60

MAGSTSLIAFALLCLPAGAGVTVPLSLFPMHQARAGLAIDTYQFVSS +

SUBCT: 1 MAGSTSLIAFALLCLPAGAGVTVPLSLFPMHQARAGLAIDTYQFVSS 60

QUERY: 61 W-----GDSIPPSGKSTQKSLALRISLALISNLEPVRFLA 102

+ DSIPPSGKSTQKSLALRISLALISNLEPVRFLA

SUBCT: 61 YIPDQKSYPLHSQSPSPGSDSIPPSGKSTQKSLALRISLALISNLEPVRFLA 120

QUERY: 103 SFVANNVYDVSDDYHLLADLGGIQTMLRLEGGSRVQQLAQYTSKPVNSHSD 162

SFVANNVYDVSDDYHLLADLGGIQTMLRLEGGSRVQQLAQYTSKPVNSHSD

SUBCT: 121 SFVANNVYDVSDDYHLLADLGGIQTMLRLEGGSRVQQLAQYTSKPVNSHSD 180

QUERY: 163 ALLKNTGLATCFPMKXVETFLANQCSVSSGCF 199

ALLKNTGLATCFPMKXVETFLANQCSVSSGCF

SUBCT: 181 ALLKNTGLATCFPMKXVETFLANQCSVSSGCF 217

(57) Abstract: The invention is based on the discovery that the INSP100 is a novel splice variant of human chorionic somatomam-
motropin hormone 2 (HCS-B; Q14407) and that INSP104 is a novel splice variant of human Chorionic somatomammotropin hormone
1 (hCS-A; P01243).

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